|       |          | Ir             | nde             | x c     | of C                      | :lai         | im      | s      |          | _          |          |                        | 1       | Application No. |          |              |          |          |          |              |               |          | Applicant(s) |         |         |                 |          |          |    |  |
|-------|----------|----------------|-----------------|---------|---------------------------|--------------|---------|--------|----------|------------|----------|------------------------|---------|-----------------|----------|--------------|----------|----------|----------|--------------|---------------|----------|--------------|---------|---------|-----------------|----------|----------|----|--|
|       |          |                |                 |         |                           |              |         |        |          |            | (        | 09/771,653<br>Examiner |         |                 |          |              |          |          |          |              | PERLEY ET AL. |          |              |         |         |                 |          |          |    |  |
|       |          |                |                 |         |                           |              |         |        |          |            |          |                        |         |                 |          |              |          |          |          |              | Art Unit      |          |              |         |         |                 |          |          |    |  |
| _     |          |                |                 |         |                           |              |         |        |          |            |          | Geoffrey Akers         |         |                 |          |              |          |          |          |              | 3625          |          |              |         |         |                 |          |          |    |  |
|       |          | <b>4</b>       | Rej             | ject    | ed                        |              | [-      | -      | (1       | hrou<br>Ca | gh n     | ume<br>led             | eral)   | )               |          | N            | No       | on-E     | Elec     | ted          |               | Α        |              | Аp      | pea     | <br>al          |          |          |    |  |
|       |          | =              | All             | owe     | ed                        |              | -       | •      |          | Re         | stric    | ted                    |         |                 |          | ı            | Int      | terf     | eren     | nce          |               | 0        | (            | Obj     | ecto    | ed              |          |          |    |  |
| Cla   | im       |                |                 | ·       | Date                      | <del>.</del> |         |        |          | Cla        | aim      |                        |         | C               | ate      | ;            |          |          |          | <u> </u>     | laim          |          |              |         | Dat     | e               |          |          | ]  |  |
| _     | ā        |                |                 |         |                           |              |         |        |          | _          | <u>a</u> |                        | ı       |                 |          |              |          | -        |          | _            | <u>ज</u>      | Ш        |              |         |         |                 |          |          |    |  |
| Final | Original | Ш              |                 |         |                           |              |         |        |          | Final      | Original | ĺ                      |         | li              |          |              |          | 1        |          | Final        | Original      | Ш        |              |         |         |                 |          |          |    |  |
| ш.    | õ        | Ш              | Λ               |         |                           |              |         |        |          | "          | ō        |                        |         |                 |          |              |          |          |          | ۳.           | ŏ             | Ш        |              |         |         |                 |          |          | ·  |  |
|       | 1        | U              | <b>/</b>        | _       | $\top$                    | +            | 十       | T      | ┪        | <b>—</b>   | 51       |                        | +-      | 17              | $\dashv$ | 寸            | $\dashv$ | _        | 1        |              | 101           | П        | $\dashv$     | ┪       | +       | $\sqcap$        | $\neg$   | $\neg$   | 1  |  |
|       | 2        |                |                 |         |                           |              |         |        |          |            | 52       |                        |         |                 |          |              |          |          |          |              | 102           |          |              |         | 1       |                 |          |          |    |  |
|       | 3        | 1              | 4               | 4       | $\sqcup$                  | _            | _       | 4      | 4        |            | 53       | _                      | $\perp$ |                 | _        |              | _        | _        | 4        |              | 103           |          |              | _ _     | 1_      | Ш               |          |          |    |  |
|       | 4        | 1              | $\dashv$        | +       | +                         | $\dashv$     | +       | +      | 4        |            | 54       | -                      | +       | $\vdash$        |          | <b>-</b>     | 4        | 4        | 4        |              | 104           |          |              | 4       | -       | $\vdash$        | $\dashv$ |          | 4  |  |
|       | 5        | 1              | <del>/</del>    | ┿       | ╁╾┼                       | +            | ┰       | +      | ┨        | <u> </u>   | 55<br>56 | +                      | +       | $\vdash$        | $\dashv$ |              | +        | +        | -        |              | 105<br>106    |          |              |         | ╁       | $\vdash$        | $\dashv$ | -        | -  |  |
|       | 7        | H              | +               | +       | $\forall$                 | $\dashv$     | +       | +      | ┨        |            | 57       | +                      | +-      | +               | $\dashv$ | <del>-</del> | +        | $\dashv$ | 1        | $\vdash$     | 107           |          | $\dashv$     | +       | ╁       | $\vdash$        | $\dashv$ | -+       | 1  |  |
|       | 8        | J              | 十               | $\top$  | $\dagger \exists \dagger$ | 1            | $\top$  | $\top$ | ┪.       |            | 58       | _                      | ╅       | Ħ               | ┪        |              | +        | $\top$   | 1        |              | 108           |          | $\dashv$     | 1       | +       | П               | _        | $\dashv$ | 1  |  |
|       | 9        | 7              |                 |         |                           |              |         |        | ]        |            | 59       |                        |         |                 |          |              |          |          |          |              | 109           |          |              |         |         |                 |          |          | 1  |  |
|       | 10       | LZ,            | $\perp$         | _       | $\sqcup$                  |              |         | ᆚ      | ╛        |            | 60       |                        | $\perp$ | Ш               | $\perp$  | _            |          |          |          |              | 110           |          |              |         | $\perp$ | $\Box$          |          |          |    |  |
|       | 11<br>12 | 14             | $\dashv$        | +       | $\vdash$                  | $\dashv$     | +       | +      | 4        | <u> </u>   | 61       | -                      | +       | $\sqcup$        | 4        | _            | $\dashv$ | _        | 4        | <u> </u>     | 111           |          | -            | 4       | 1.      | $\sqcup$        | $\dashv$ | _        | 4  |  |
|       | 13       | 1              | 1.              | +       | $\vdash$                  | +            | +       | +      | $\dashv$ | -          | 62<br>63 | +                      | +       | $\vdash$        | $\dashv$ | $\dashv$     | +        |          | -        | <u> </u>     | 112<br>113    |          | +            | +       | +       | ⊢               | $\dashv$ | +        | 4  |  |
|       | 14       | 1              | <del>/  -</del> | ╁       | $\vdash$                  | $\dashv$     | +       | +      | $\dashv$ | $\vdash$   | 64       | $\dashv$               | +       | H               | $\dashv$ | $\dashv$     | +        | +        | $\dashv$ | <del> </del> | 114           |          | +            | +       | +       | $\vdash$        | $\dashv$ | +        | +  |  |
|       | 15       | 1              |                 | $\top$  | + +                       | $\dashv$     | $^{+}$  | $\top$ | 1        |            | 65       | $\top$                 | +       | $\vdash \vdash$ | $\dashv$ | $\dashv$     | $\dashv$ | $\top$   | ۱ ۱      | $\vdash$     | 115           |          | $\dashv$     | ╅       | +       | $\vdash$        | $\dashv$ | +        | ┪  |  |
|       | 16       |                | 工               |         |                           |              |         | 士      |          |            | 66       |                        | <u></u> | $\Box$          |          | 丁            |          |          | 7        |              | 116           | $\Box$   | $\top$       | $\top$  | $\top$  | $\sqcap$        | $\dashv$ | 十        | 1  |  |
|       | 17       | 1              |                 |         |                           |              | 1       | ╧      |          |            | 67       |                        |         | П               |          |              |          |          | ]        |              | 117           | П        |              |         | I       |                 |          |          | ]  |  |
|       | 18       | 17             | $\perp$         | $\perp$ | $\Box$                    | $\bot$       | $\perp$ | Ţ      | 1        | L          | 68       | $\bot$                 | T       | П               | $\Box$   | $\Box$       | I        | $\perp$  | ]        |              | 118           |          | I            | I       |         | $\Box$          |          |          | ]  |  |
|       | 19       | 14             | $\perp$         | 4       | $\sqcup$                  | $\dashv$     | $\perp$ | $\bot$ | 4        |            | 69       | 4                      | $\perp$ | $\sqcup$        | _        |              | $\perp$  | $\perp$  | 4        | L            | 119           |          | _            | $\perp$ | $\perp$ | Ц               | _[       |          | 1  |  |
|       | 20       | 1              | $\perp$         | +       | +                         | +            | +       | +      | 4        |            | 70<br>71 | +                      | +       | $\dashv$        | _        | _            | +        | +        | 4        |              | 120           | $\sqcup$ | -            | _       | +-      | $\sqcup$        |          |          | 4  |  |
|       | 21       | 4              | $\dashv$        |         | +                         | +            | +       | +      | $\dashv$ | -          | 71<br>72 | +                      | +       | ╁┤              | -        |              | $\dashv$ | -        | $\dashv$ |              | 121<br>122    |          | +            | +       | +-      | $\vdash$        |          |          | -{ |  |
|       | 23       | <del> //</del> | 7               | +       | +                         | +            | +       | +      | ┥        | -          | 73       | -+-                    | +       | H               | $\dashv$ | $\dashv$     | +        | $\dashv$ | $\dashv$ |              | 123           |          | $\dashv$     | +       | +       | $\vdash \vdash$ |          | +        | ┨  |  |
|       | 24       | //             | +               | +       | +                         | $\dashv$     | +       | +      | $\dashv$ | -          | 74       | +                      | ╁       | $\forall$       | ┪        | $\dashv$     | +        | +        | $\dashv$ | ┢┈           | 124           |          | $\dashv$     | +       | +       | ╁┼              | $\dashv$ | $\dashv$ | ┨  |  |
|       | 25       | 1              | /_              | $\neg$  | 1 1                       |              | +       | +      | -        |            | 75       | $\dashv$               | -1-     | 1 1             | $\dashv$ | _            | +        | +        | ⊣ :      | <del></del>  | 125           |          | $\dashv$     | +       | +       | ╁┯┤             | $\dashv$ | $\dashv$ | -  |  |

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